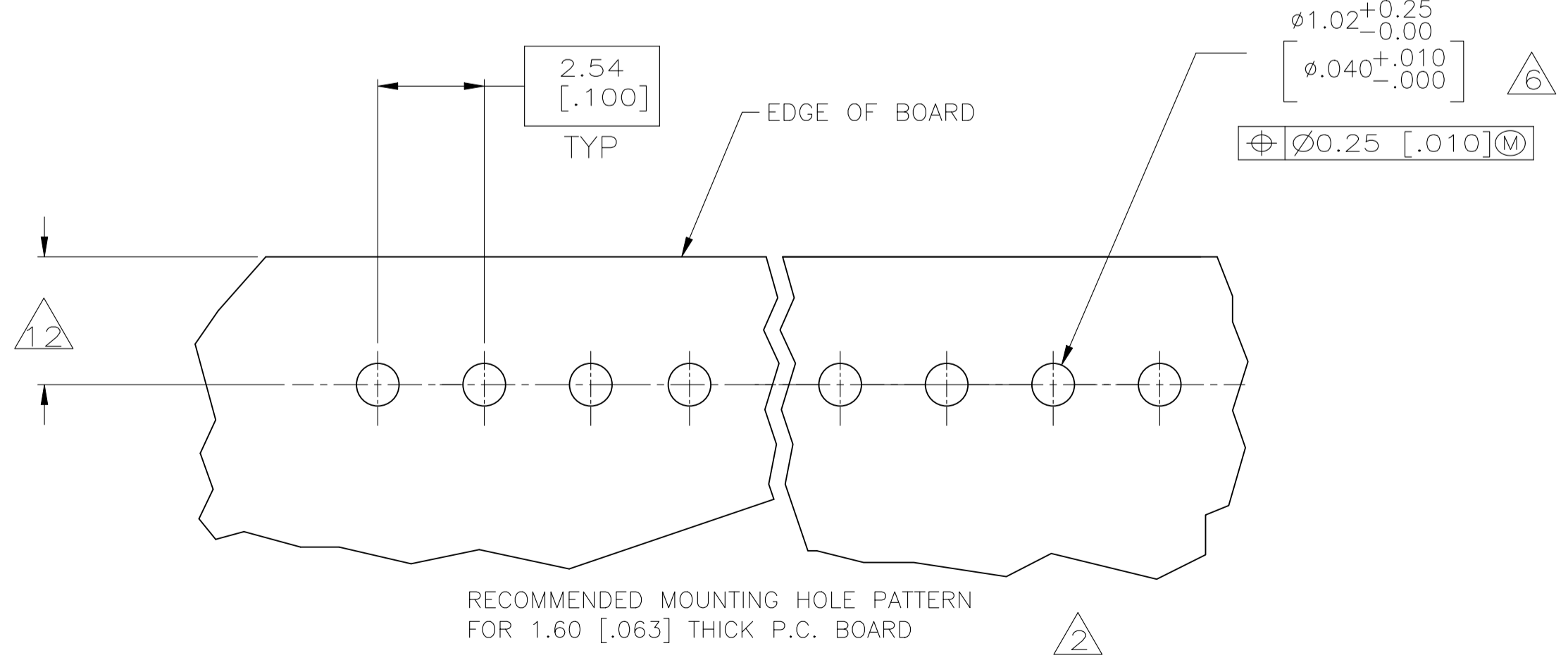
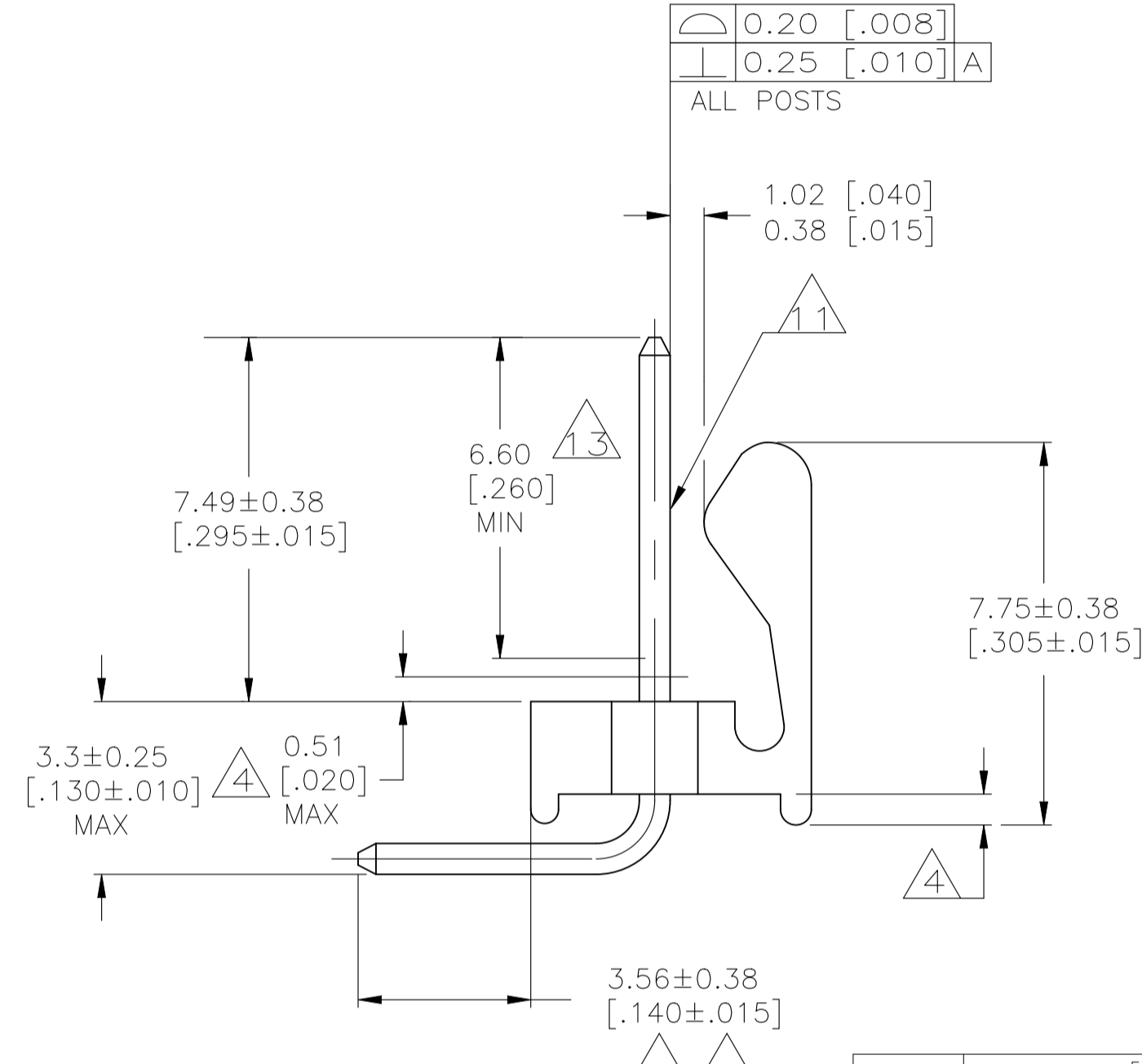
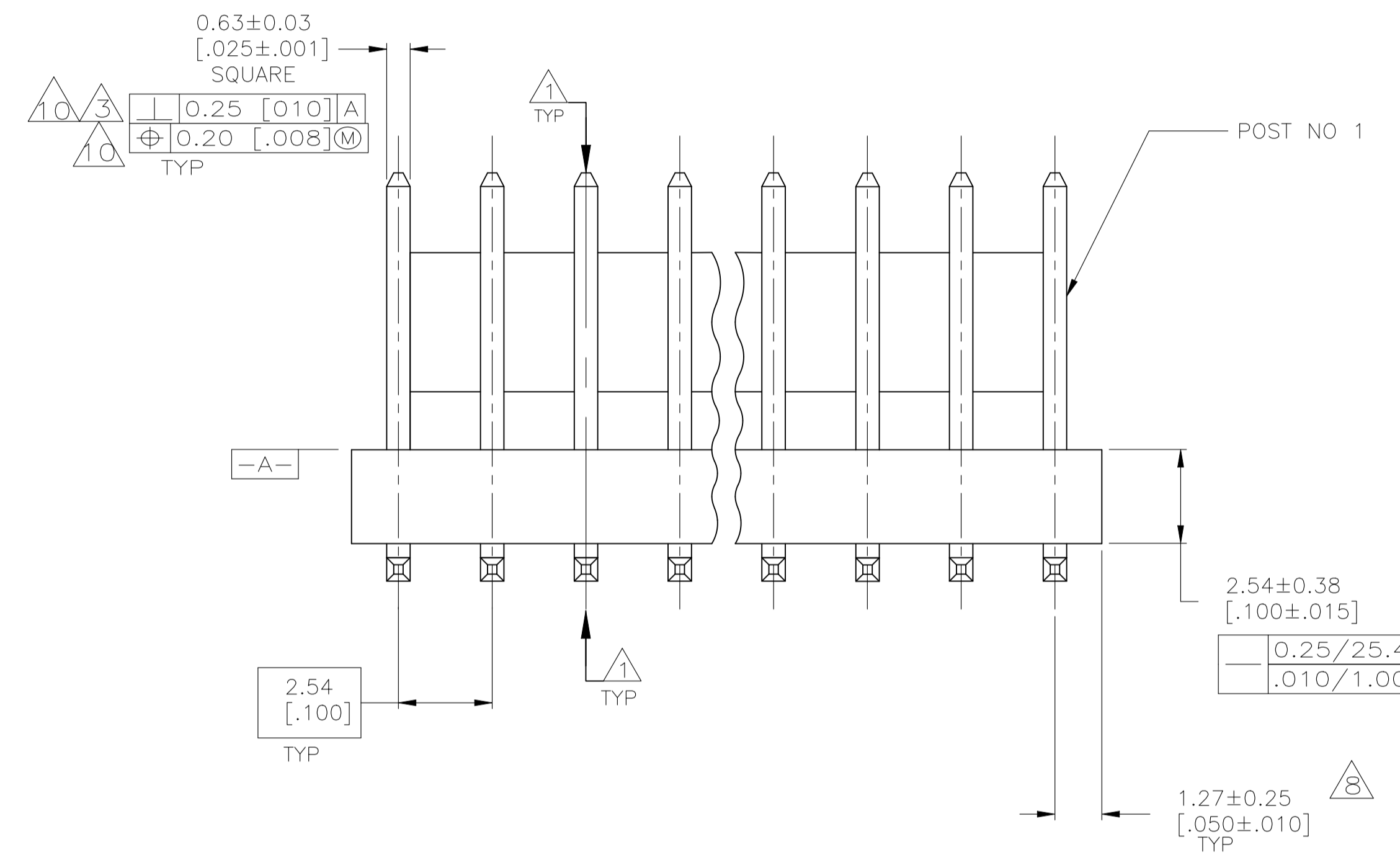
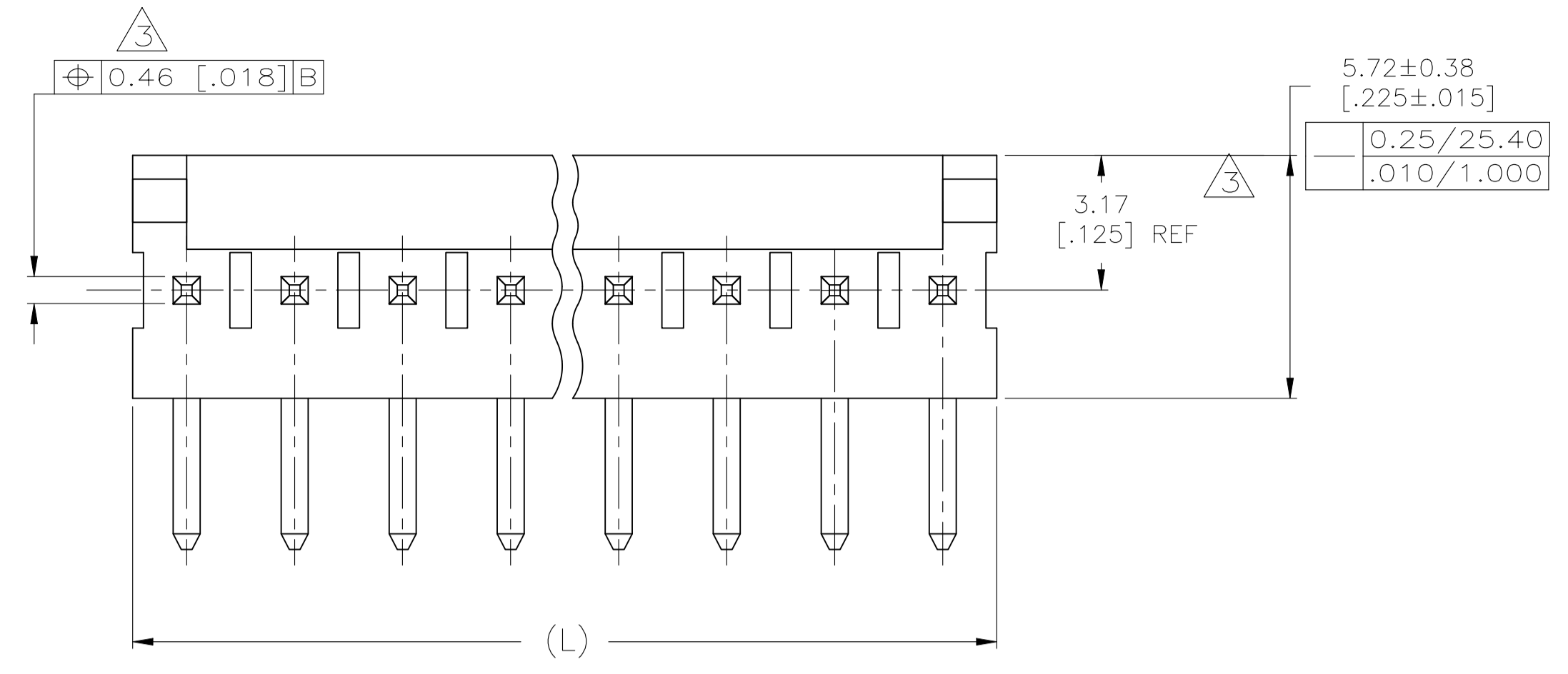


| REVISIONS | | | | |
|-----------|-----------|-----|------|---------------------------|
| REV | DATE | BY | APPV | DESCRIPTION |
| AE | 07OCT2025 | CKN | JP | REVISED PER ECR-25-253035 |



- 1 POST TO WITHSTAND 13 NEWTONS (3 LBS) MINIMUM AXIAL FORCE IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.
- 2 TOLERANCES APPLY TO SOLDER SIDE OF BOARD.
- 3 MEASURED AT $-A-$
- 4 PLASTIC FLASH PERMITTED IN THIS AREA.
- 5 PARTS COMPLY WITH AMP SOLDERABILITY SPEC. NO. 109-11-2.
- 6 ONE HOLE MAY BE UNDERSIZED 0.81-0.89 [0.032-.035] DIA. FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
- 7 MATERIAL: HEADER-THERMOPLASTIC POLYESTER 94V-0 (NATURAL) POST-COPPER ALLOY FINISH-USE PLATING NOTES 13 & 14 FOR -2 THRU -28 AND NOTES 13 & 15 FOR -32 THRU -58
- 8 COORDINATE DIMENSION APPLIES FROM CENTER OF ACTUAL FEATURE.
- 9 PLASTIC BURRS CAUSED BY CUT-OFF TOOLING ARE PERMITTED WITHIN THE MAXIMUM TOLERANCE ENVELOPE.
- 10 POSTS TO BE MEASURED WHEN STRIP IS HELD FLAT.
- 11 POST MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.
- 12 DIMENSION SHOULD BE 2.79-4.06 [0.110-.160] MIN WHEN MATING WITH A MTA-100 CONNECTOR ASSEMBLY OR 2.79-3.05 [0.110-.120] WHEN MATING WITH A CST-100 CONNECTOR ASSEMBLY.
- 13 PLATING: GOLD PLATE AREA, 0.00076 [0.000030] GOLD OR 0.00008 [0.00003] MIN GOLD FLASH OVER 0.00068 [0.000027] PALLADIUM NICKEL, ONLY IN FUNCTIONAL CONTACT AREA AND OTHER AREAS WITH OPTIMIZED THICKNESS PER TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE, .00127 [0.00050] MIN, ALL SIDES AND ENTIRE LENGTH OF POST.
- 14 PLATING: MATTE TIN PLATE AREA, 0.00381-0.00889 [0.000150-.000350] THICK, ALL FOUR SIDES 3.56 [0.140] MINIMUM.
- 15 PLATING: MATTE TIN PLATE AREA, 0.00381-0.00889 [0.000150-.000350] THICK, ALL FOUR SIDES 3.56 [0.140] MINIMUM.
- 16 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

| DIM (L) | NO.OF POSN | ASSEMBLY | DIM (L) | NO.OF POSN | ASSEMBLY |
|---------------|------------|------------|---------------|------------|------------|
| 71.12 [2.800] | 28 | 5-641216-8 | 71.12 [2.800] | 28 | 2-641216-8 |
| 68.58 [2.700] | 27 | 5-641216-7 | 68.58 [2.700] | 27 | 2-641216-7 |
| 66.04 [2.600] | 26 | 5-641216-6 | 66.04 [2.600] | 26 | 2-641216-6 |
| 63.50 [2.500] | 25 | 5-641216-5 | 63.50 [2.500] | 25 | 2-641216-5 |
| 60.96 [2.400] | 24 | 5-641216-4 | 60.96 [2.400] | 24 | 2-641216-4 |
| 58.42 [2.300] | 23 | 5-641216-3 | 58.42 [2.300] | 23 | 2-641216-3 |
| 55.88 [2.200] | 22 | 5-641216-2 | 55.88 [2.200] | 22 | 2-641216-2 |
| 53.34 [2.100] | 21 | 5-641216-1 | 53.34 [2.100] | 21 | 2-641216-1 |
| 50.80 [2.000] | 20 | 5-641216-0 | 50.80 [2.000] | 20 | 2-641216-0 |
| 48.26 [1.900] | 19 | 4-641216-9 | 48.26 [1.900] | 19 | 1-641216-9 |
| 45.72 [1.800] | 18 | 4-641216-8 | 45.72 [1.800] | 18 | 1-641216-8 |
| 43.18 [1.700] | 17 | 4-641216-7 | 43.18 [1.700] | 17 | 1-641216-7 |
| 40.64 [1.600] | 16 | 4-641216-6 | 40.64 [1.600] | 16 | 1-641216-6 |
| 38.10 [1.500] | 15 | 4-641216-5 | 38.10 [1.500] | 15 | 1-641216-5 |
| 35.56 [1.400] | 14 | 4-641216-4 | 35.56 [1.400] | 14 | 1-641216-4 |
| 33.02 [1.300] | 13 | 4-641216-3 | 33.02 [1.300] | 13 | 1-641216-3 |
| 30.48 [1.200] | 12 | 4-641216-2 | 30.48 [1.200] | 12 | 1-641216-2 |
| 27.94 [1.100] | 11 | 4-641216-1 | 27.94 [1.100] | 11 | 1-641216-1 |
| 25.40 [1.000] | 10 | 4-641216-0 | 25.40 [1.000] | 10 | 1-641216-0 |
| 22.86 [0.900] | 9 | 3-641216-9 | 22.86 [0.900] | 9 | 641216-9 |
| 20.32 [0.800] | 8 | 3-641216-8 | 20.32 [0.800] | 8 | 641216-8 |
| 17.78 [0.700] | 7 | 3-641216-7 | 17.78 [0.700] | 7 | 641216-7 |
| 15.24 [0.600] | 6 | 3-641216-6 | 15.24 [0.600] | 6 | 641216-6 |
| 12.70 [0.500] | 5 | 3-641216-5 | 12.70 [0.500] | 5 | 641216-5 |
| 10.16 [0.400] | 4 | 3-641216-4 | 10.16 [0.400] | 4 | 641216-4 |
| 7.62 [0.300] | 3 | 3-641216-3 | 7.62 [0.300] | 3 | 641216-3 |
| 5.08 [0.200] | 2 | 3-641216-2 | 5.08 [0.200] | 2 | 641216-2 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

| | |
|--------|----------------|
| 0. PLC | ± |
| 1. PLC | ± |
| 2. PLC | ± 0.13 [0.005] |
| 3. PLC | ± |
| 4. PLC | ± |
| ANGLES | ± |

MATERIAL: 7 FINISH: 7

APPROVED: S. HOOVER 26-JAN-2005, D. BOSSI 26-JAN-2005

PRODUCT SPEC: MTA-100 HDR ASSY, FRICTION LOCK, NOTCHED, .025 SQUARE RIGHT ANGLE POST, .000030 GOLD PLATED

SIZE: A1 CAGE CODE: 00779 DRAWING NO: 641216

SCALE: 8:1 SHEET 1 OF 1 REV. AE